

ABSTRACT

The present invention relates to a method and to devices for transmitting and receiving data in a code division multiple access telecommunication system. A random access time window (20) is provided, which comprises a plurality of random access slots for transmitting random access data, for example from a mobile station (24) to a base station (25). The plurality of random access slots in the random access time window (20) is divided into at least two groups, whereby the groups are allocated to respective priority classes, whereby the priority classes represent the transmission priorities of the random access data to be transmitted in the random access slots. The present invention allows a reduction in congestion on the random access slots for certain access types at the expense of other access types and a more efficient use of the random access time window.

15 (Fig. 1)